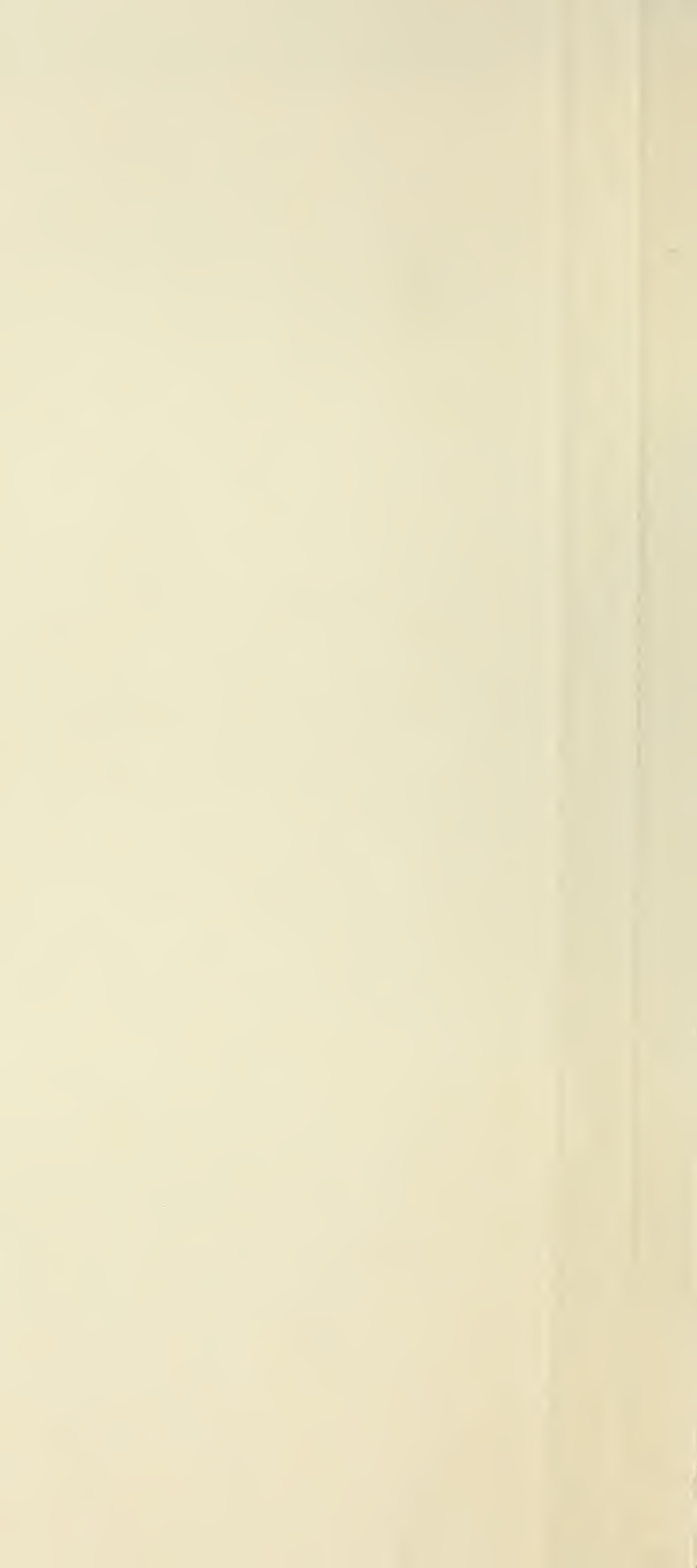


Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.



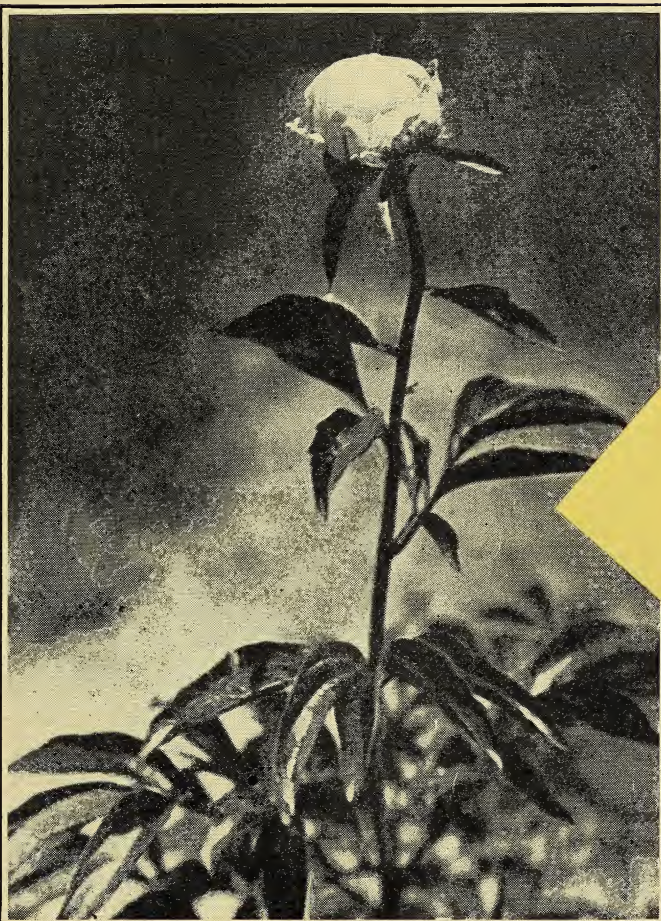
62,23

LIBRARY
RECEIVED
★ NOV 5 1925 ★
U.S. Department of Agriculture

Peonies and Irises

Being a List of the
BETTER VARIETIES
(Rare and Standard)

SEASON 1923 - 1924



Clarence W. Hubbard
GROWER OF
PEONIES & IRISES

6144 LAKEWOOD AVENUE
CHICAGO, U. S. A.

INTRODUCTION

We take pardonable pride and considerable pleasure in offering to the discriminating flower lover, the following exceptionally comprehensive selection of the distinctive and best in peonies and irises.

The landscape architect and novice will find varieties which are the equal for massing and garden value of many of the new and rare varieties. These have been in cultivation long enough to permit the propagation of considerable stock and hence sale at nominal prices.

The connoisseur, advanced amateur and collector will find practically all of the better very recent introductions of European and American hybridists.

Anticipating frequent requests, for shorter lists of the very finest without regard to price, we indicate in capitals those varieties which are the very finest; the cream of the list which means the finest varieties in the world. It has been our custom to list the new varieties we are testing but of which a too limited stock does not permit sale. We have imported most every available new variety of peony and iris produced by the European hybridists and such as have survived our climate are now growing. The number has now become so very extensive that we shall not in the present list include these varieties as a mere matter of record. We are pleased to enter into correspondence reference new varieties not here listed and quote prices on such as our stock and Federal importation restrictions permit.

"We know of no grower with a standard as high who issues a list as comprehensive." On the other hand, we have never seen a commercial list as concise and deluxe as that comprised by the varieties we list in capitals.

Clarence W. Hubbard
GROWER OF
 PEONIES & IRISES 

6144 Lakewood Avenue
Chicago, U. S. A.

THE PEONY



Varieties are described in accord with the publications of the American Peony Society as follows:

1. Name of the variety.
2. Rating as to desirability being the average vote of the members of the society and published in Bulletin 14, under date of May, 1921. A vote of ten was established as perfection and of five or under as not being worth growing. We list very few varieties rated under eight.
3. Name of hybridizer or introducer.
4. Date of commercial introduction.

There are eight types, shapes or formations of the peony:

Single—Albiflora, Clio.

Japanese—Isani-Gidui, Ama no sode, Fuyajo.

Semi-double—Marie Jacquin. Lady A. Duff.

Anemone—Primevere.

Crown—Octavie Demay.

Bomb—Felix Crousse, Mons.. Jules Elie.

Semi-rose—Mons. Martin Cahuzac. Couronne d'Or.

Rose—Festiva Maxima. Solange.

Aside from yellow and while we have some varieties approaching yellow, it is still one of the new things in store for us, there are five general shades or colors.

White—Festiva Maxima. Couronne d'Or.

Pale or Flesh Pink—Octavia Demay. Pierre Duchartre.

Dark Pink—Mons. Jules Elie. Claire Dubois.

Red—Felix Crousse. Karl Rosenfield.

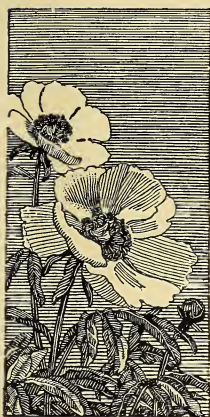
Cream—Primevere. Laura Dessert.

In addition to the above, varieties should be selected to cover the full blooming season in the various colors; early, mid-season and late. As to these matters, we are always pleased to enter into correspondence, make suggestions, ec.

Plant peony roots so that the "eyes" are two inches below the surface. Too deep planting is the cause of more peonies not blooming than all other causes combined.

James Kelway 8.7 (Kelway)	2.25	1.50
JEANNOT 8.9 (Dessert 1918).....	45.00	25.00
Jubilee 8.9 (Pleas 1908)	7.50	3.75
KARL ROSENFELD 8.8		
(Rosenfield 1908)	2.00	1.00
KELWAY'S GLORIOUS 9.8		
(Kelway 1909)	40.00	25.00
Kelway's Queen 8.8 (Kelway 1909).....	12.00	5.50
LADY ALEX. DUFF 9.1 (Kelway 1902)	6.00	3.00
LA FEE 9.2 (Lemoine 1906).....	15.00	7.50
LA FRANCE 9.0 (Lemoine 1901).....	7.50	3.25
Lamartine 8.4 (Lemoine 1908).....	9.00	4.25
La Lorraine 8.6 (Lemoine 1901).....	12.00	5.00
La Tendresse 8.1 (Crousse 1896).....	1.75	1.00
Laura Dessert 8.8 (1913).....	17.50	8.00
LE CYGNE 9.9 (Lemoine 1907).....	16.00	7.50
Livingstone 8.1 (Crousse 1879)	1.00	
LONGFELLOW 9.0 (Brand 1907)	8.00	3.50
Lora Dexheimer 8.4 (Brand 1913).....	2.75	1.50
Loveliness 8.8 (Hollis 1907)	4.40	2.50
Luetta Pfeiffer 8.4 (Brand 1916).....	20.00	10.00
Mme. Calot 8.1 (Mieliez 1856).....	1.00	
Mme de Verneville 7.9 (Crousse 1885)60	
Mme. Emile Galle 8.5 (Crousse 1881).....	1.00	
Mme. Emile Lemoine 8.9(Lemoine 1899)	1.25	
MME. JULES DESSERT 9.4		
(Dessert 1909)	6.00	3.00
Mlle. Rousseau 8.1 (Calot 1886).....	1.50	1.00
Marcelle Dessert 8.2 (Dessert 1889).....	2.50	1.50
Marchioness Lansdowne 8.1 (Kel. 1899)	4.00	1.75
Marguerite Gerard 8.4 (Crousse 1892)	1.25	
MARIE CROUSSE 8.9 (Crousse 1892)	2.00	1.00
Marie Jacquin 8.3 (Verdier).....	1.25	
Marie Lemoine 8.5 (Calot 1869).....	1.00	
Marie Stuart 7.8 (Calot 1856).....	.50	
MARTHA BULLOCH 9.1 (Brand 1907)	17.50	8.50
Mary Brand 8.7 (Brand 1907).....	4.00	1.75
MARY W. SHAYLOR 9.4 (Shaylor).....	25.00	12.50
Midummer Nights Dream 8.5 (Pleas).....	3.75	2.00
Modeste Guerin 7.8 (Guerin 1845).....	.75	
Mons, Dupont 8.3 (Calot 1872).....	.60	
MONS. JULES ELIE 9.2 (Crousse 1888)	1.25	
MONS. MARTIN CAHUZAC 8.8		
Dessert 1899)	3.25	1.50
Mont Blanc 8.4 (Lemoine 1899).....	4.00	2.25
Nymphaea 9.1 (ThurLOW 1919).....	9.00	4.50
OCTAVIE DEMAY 8.5 (Calot 1867).....	1.75	
Officinalis Rubra Plena	1.00	
Opal 8.5 (Pleas 1908)	7.00	3.00

Single and Japanese



The single and Japanese varieties are of upright habit of growth, and being of lighter weight and such form as not to retain water, are not beaten down by storms. This fact with their massing habit of bloom and effectiveness of the flower in shape and color makes them unsurpassed for landscape use.

To those who prefer the simple and unassuming, the single varieties make a strong appeal. Those who seek the unusual will find the Japanese type of special interest and value. They give variety to a collection of peonies and the garden in general and while novel and unique are in no respect freakish.

Albiflora, The Bride, 8.4 (Dessert 1902)	1.75	1.00
Ama no sode	12.50	6.00
Celestial (Barr)	3.75	2.00
Clio (Peterson 1906)	1.50	1.00
Clairette 8.5 (Dessert)	3.00	1.75
Dragon's Head, (Tatsu Gashira).....	3.00	1.75
FUYAJO	15.00	7.50
Gold Mine (Hollis 1907).....	4.50	2.00
Ho Gioku	1.50	1.00
ISANI GIDUI	12.50	6.50
King of England 8.4 (Kelway 1902).....	7.50	3.75
Kameno Kerogama	1.75	1.00
L'Etincelante 8.1 (Dessert 1905).....	2.00	1.25
MADELEINE GAUTHIER 8.5		
(Dessert 1908)	7.50	3.50
Marguerite Dessert 8.5 (Dessert 1913).....	11.00	6.00
MIKADO, 8.6 (Peterson W. F. 1913).....	3.00	1.50
O. Fugi	1.75	1.00
Petite Renee 6.9 (Dessert 1899).....	2.00	1.00
Perle Blanche 8.4 (Dessert 1913)	3.00	1.75
Pride of Langport 8.9 (Kelway 1909).....	7.50	4.00
Princess Mathilde 7.2 (Dessert 1908)	1.75	1.00
SOME GANOKO	7.00	3.00
Takaradama	3.75	2.00
TOKIO	12.50	7.00
Yeso	1.75	1.00
Dark Red, single, very tall.....	1.50	1.00

THE IRIS

FLAG LILY — FLEUR-DE-LIS



The iris is botanically divided into two general classes:

1. Those varieties having rhizomes or root stocks.
2. Those varieties having a bulbous root.

Both of these general classes have several sub-divisions. We grow only those of the first class and but two of its sub-classes.

Pogoniris—Those varieties characterized by a distinct beard down the center of each fall, commonly called “bearded irises” and incorrectly also termed “German” iris.

Apogon—Those varieties having smooth or beardless falls, known as “beardless irises.” The Japanese, Siberian and Pseudo-acorus varieties are of this group.

The bearded irises are those most generally grown, and consequently the best known. This group contains a vast number of varieties. Of necessity, many must be inferior and but comparatively few really distinctive varieties. It is our desire to eliminate and restrict our list rather than to work toward volume.

Tall Bearded Iris

Varieties are described in a manner similar to that used for the peony:

1. Name of variety.
2. Rating of the variety as to desirability being the average vote of a jury composed of twenty-three members of the American Iris Society as published in Bulletin 5 of the Society under date of May, 1922.

TALL BEARDED IRISES

PAGONIRIS

Afterglow, 86 (Sturt 1918)	\$1.75
ALCAZAR, 89 (Vilm 1910)	.60
AMBASSADEUR 94 (Vilmorin 1920)	4.00
Ambigu 83 (Vilmorin 1916)	2.50
ANNA FARR, 84 (Farr 1913)	2.00
Anne Leslie, 83 (Sturt 1918)	1.75
ARCHEVEQUE, 83 (Vilm 1911)	.50
Armenien, 75 (Millet)	.50
Arsace 84 (Millet)	3.75
ASIA 92 (Yeld 1920)	17.50
Atlas 75 (Millet)	1.50
Azure 82 (Bliss 1918)	2.50
BALLERINE 94 (Vilm. 1920)	4.50
Barton Harrington, 79 (Fryer 1919)	1.00
Belcolor 68 (Denis 1910)	1.00
Benbow 83 (Bliss 1917)	3.75
B. Y. MORRISON 88 (Surt 1918)	3.00
Camelot 81 (Bliss 1918)	2.50
Cecil Minturn, (Farr 1922)	5.00
Clematis 78 (Bliss 1917)	2.00
CLUNY, 86 (Vilm 1920)	3.00
Col. Candelot 80 (Millet 1907)	1.75
Corrida 83 (Millet)	3.00
Crusader 87 (Foster 1913)	2.50
Cygnnet (Sturt 1922)	10.00
Dalila 80 (Denis 1914)	1.50
Dejazet 83 (Vilm. 1914)	2.75
Delicatissima 82 (Millet)	2.00
Demi-deuil 69 (Denis 1912)	1.00
Dimity 83 (Bliss 1919)	5.00
Dr. Andrist, 75 (Fryer 1919)	1.25
DREAM 85 (Sturt 1918)	7.50
Dusky Maid (Bliss 1919)	3.50
EDOUARD MICHEL 86 (Verdier 1904)	2.25
Georgia 89 (Farr 1920)	2.25
Golderest 75 (Dykes 1914)	1.75
GREVIN 85 (Vilm 1920)	3.50
Hautefeuille 74 (Denis 1910)	3.00
Helena 65 (Hort 1920)	1.00
Ivanhoe 83 (Millet 1911)	2.50
Japanesque (Farr 1922)	2.50
Knysna 78 (Bliss 1917)	2.50
LA NEIGE 83 (Verdier 1912)	2.00
Lady Foster 85 (Foster 1913)	2.50
LENT A. WILLIAMSON 96 (Wmsn. 1918)	2.75

Turco (Vilm 1921)	3.75
Virginia Moore 81 (Shull 1921)	1.50
WHITE KNIGHT 83 (Saunders 1916)	1.00
W. J. Fryer 84 (Fryer 1917)	2.50
Yvonne Pelletier 75 (Millet 1916)	5.00
Zouave (Vilm 1922)	6.00
Zua 75 (Crawford 1914)	1.75
Zwanenburg 85 (Denis 1909)	1.75

Collections of Popular Priced Varieties



ANY 12 FOR \$2.25 (your selection).

A. E. Kunderd, Amas, Caprice, Celeste, Dalmarius, Darius, Dr. Bernice, Dr. Sanford, Gajus, Gertrude, Golden Plume, Gracchus, Fairy, Florentine, Her Majesty, Ingeborg, Juniata, Kharput, Kochi, Lohengrin, Loreley, Mrs. Horace Darwin, Mrs. Kimball, Mrs. Neubronner, Perfection, Pfauenauge, Powhatan, Sherwin Wright, Violacea Grandiflora, Walhalla, Hiawatha.

ANY 6 FOR \$2.25 (your selection)

A. W. Latham, Blue Boy, Blue Jay, Cherubin, Clarence Wedge, Crepuscule, Demure, Eldorado, Goliath, Iris King, Isoline, Mary Garden, Medallion, Navajo, Rev. Smith, R. C. Rose, Parc de Neuilly, Parisiana, Prosper Laugier, Quaker Lady, Queen Alexandra, Rev. Wurtelle, Rhein Nixe, Rose Unique, Swatara, Zephyr, Chester Hunt.

Beardless Irises

APAGON

These irises occupy a position similar to the Japanese and single peonies. They are not known and therefore not as generally planted as they should be. To know them is to appreciate their beauty. They do well in a moderately moist location; use no lime as they prefer an acid soil.

Dorothy K. Williamson	\$2.75
Mrs. E. Saunders (Perry)	2.50
Mrs. Gray Hill (Perry)	2.75
Mrs. Perry (Perry)	2.75
Peggy Perry (Perry)	2.00
Pseudo acorus	.25
PERRY'S BLUE (Perry)	3.00
Perry's Pigmy (Perry)	2.00
Snow Queen	.25

Rating was made on basis of:

- 10.0 perfection—not yet attained.
- 9.7 or 9.8 highest perfection in cultivation.
- 9.5 almost perfection.
- 9.0 very fine.
- 8.5 fine.
- 8.0 very good.
- 7.0 good.
- 6.0 good, but not important.
- 5.0 fair; similar varieties are superior.

3. Name of hybridizer or introducer.

4. Date of commercial introduction.



CULTURE

Pogoniris require a well drained soil. Water standing over the roots for any considerable length of time will cause rot. Very rich soil is neither necessary nor desirable and fresh manure in direct contact with the roots is very injurious. Bone meal is a safe fertilizer to use and in the limited quantity required, quite economical and convenient to handle. Pulverized limestone is very beneficial and can be used in liberal quantity. While the iris will survive under greater neglect and abuse than any other plant of which we know, it appreciates good treatment, and cultivation is necessary for the plants to produce their flowers in profusion and perfection. Plant the roots shallow, "as a duck rides the water.."

The roots appear to enjoy, in fact, require for best results, not only a well drained soil but a warm, open location. For this reason, we do not advise interplanting with other plants or ground covers as the surface creeping rhizomes do best on direct exposure to the sun. We advise planting in August and September, though as in the case of the peony, planting may be done until freezing of the ground prevents. Planting may also be done in early July after flowering, provided the roots are not permitted to dry out.

Leverrier 90 (Denis 1917).....	9.00
LORD OF JUNE 91 (Yeld 1911).....	2.50
Ma-Mie 81 (Cayeux 1906).....	.75
Mady Carriere 79 (Millet)	4.00
Taffeta 60 (Cleveland 1920)	2.00
MAGNIFICA 91 (Vilmorin 1920).....	4.25
Maori Princess (Shull 1922)	3.00
Margaret Moore 71 (Bliss 1918)	2.00
Marsh Marigold 87 (Bliss 1919).....	7.00
May Rose (Cleveland).....	2.50
MEDRANO 85 (Vilm 1920)	3.75
Merlin 84 (Surt 1918)	3.75
MME. CHOBOUT 85 (Denis 1916)	3.00
Mme. de Seigne 78 (Denis 1916)	1.50
Moliere 85 (Vilm 1920).....	3.75
Mrs. Cowley 78 (Bliss 1920).....	2.00
Mrs. Walter Brewster (Vilm 1922)	7.50
Nancy Orne 82 (Sturt 1921).....	2.50
Nazarin 90 (Foster)	2.50
Neptune 81 (Yeld 1916).....	2.00
Nimbus (Shull 1922)	2.50
OPERA 87 (Vilm 1916)	2.50
Perry's Favorite 80 (Perry 1911)	2.50
Phyllis Bliss 89 (Bliss 1919).....	15.00
PRINCESS BEATRICE 95 (Barr)75
Prospero 85 (Yeld 1920)	5.50
QUEEN CATERINA 90 (Sturt 1918).....	4.00
Raffet 81 (Vilm 1920)	3.00
Richard II 74 (Dykes 1914).....	2.50
Ringdove 76 (Foster 1913)	1.50
Rodney 83 (Bliss 1919)	3.75
Romany 86 (Bliss 1919)	3.50
Roseway 82 (Bliss 1919)	7.50
San Gabriel 90 (Dean 1921).....	8.00
Sea Gull (Farr 1922)	2.00
Sarabande 76 (Sturt 1918)	1.00
Seminole 83 (Farr 1920)	1.75
SHEKINAH 88 (Sturt 1918).....	4.50
Sherbert 81 (Sturt 1918)	2.00
Solana (Shull 1922)	1.50
SOUV de Mme. GAUDICHAU 93 (Millet 1914)	7.00
Stamboul 81 (1916)	1.50
Sweet Lavender 85 (Bliss 1919)	7.00
The Inca (Farr 1922)	1.75
Tom Tit 80 (Bliss 1919)	1.75
Trianon (Vilm 1921)	3.75
Troost 84 (Denis 1908)	3.75
Tristram 82 (Bliss 1919)	4.00



Popular Priced Varieties

To those who are not interested in the nomenclature of the peony and iris but consider the plants only for their landscape value as producers of flowers; we recommend the following varieties.

Peonies

DARK PINK

Mons. Jules Elie*
Trio de Lille
Claire Dubois*
Livingstone*

LIGHT PINK

Octavie Demay*
Marie Stuart*
Eugenie Verdier
Albert Crousse
Grandiflora*

WHITE

Mme. de Verneville*
Festiva Maxima*
Duchesse de Nemours*
Couronne d Or*
Marie Lemoine

RED

Augustin d'Hour*
Felix Crousse*
Delachei

*Varieties especially suitable for cut flower purposes.

Iris

WHITE

Mme. Chereau
Fairy
Parisiana
Rhein Nixe

PINK LILAC

Queen Alexandra
Isoline
Lohengrin

YELLOW

Loreley
Sherwin Wright

BLUE LILAC

Gertrude
Violacea Grandiflora

SMOKE OR BRONZE

Prosper Laugier
Eldorado
Quaker Lady

RED-PURPLE

Kochi
Caprice
Parc de Neuilly
Monsignor

Both Peonies and Irisies are listed in the respective groups according to general color effect and in the order in which they bloom.

WE MAKE NO SPRING SHIPMENTS

We start shipping peonies about September 10th. irises about July 10th. Orders are filled in rotation as received. Early orders are insurance against disappointment due to stock being depleted and also obtain earlier delivery to you.

PEONIES - - Double Varieties

Prices in left column are for standard divisions of three or more eyes. Prices in right column are for small divisions of one or two eyes, "strong one-eye divisions."

Adolphe Rousseau, 8.5 (D & M 1890).....	\$1.75	\$1.00
Albert Crousse, 8.6 (Crousse 1893).....	.75	
ALSACE LORRAINE, 8.8 (Lemoine 1906)	3.50	1.50
Asa Gray, 8.1 (Crousse 1886)75	
Auguste Dessert, (Dessert 1920).....	25.00	12.00
Arlequin, (Dessert 1921)	17.50	9.00
Augustin d'Hour, 7.8 (Calot 1867).....	.75	
Aurore, 8.0 (Dessert 1904).....	1.75	1.00
Avalanche, 8.7 (Crousse 1886).....	.75	
Aviateur Reymond, 7.9 (Dessert 1915).....	.75	
BARONESS SCHROE-		
DER, 9.0 (Kelway 1889)	1.25	
Candeur (Dessert 1920)	17.00	9.00
Cherry Hill 8.6 (Thurlow 1915).....	15.00	7.00
Chestine Gowdy 8.4 (Brand 1913).....	3.50	2.00
CLAIRE DUBOIS 8.7 (Crousse 1886).....	1.00	
Clemenceau (Dessert 1920)	17.00	9.00
Couronne d'Or 8.1 (Colot 1873)50	
Delachei, 7.1 (Delachei 1856).....	.75	
Duchesse de Nemours 8.1 (Calot 1856).....	.50	
Elizabeth B. Browning 9.2 (Brand 1907)	14.00	7.00
Elwood Pleas 8.7 (Pleas)	4.75	2.25
Enchantresse 8.9 (Lemoine 1903).....	6.00	3.00
Eugene Verdier 8.3 (Calot 1864).....	1.75	1.00
Eugenie Verdier 8.6 (Calot 1864).....	.75	
Evangeline 8.1 (Lemooine 1910).....	3.75	2.00
Faribault 8.2 (Brand 1918).....	6.00	2.75
Felix Crousse 8.4 (Crousse 1881)75	
FESTIVA MAXIMA 9.3 (Mieliez 1851)	.50	
Florence Nightingale 8.1 (Brand 1907)	3.75	2.00
FRANCES WILLARD 9.1 (Brand 1907)	4.00	2.00
GEORGIANA SHAYLOR		
8.9 (Shaylor 1908)	9.00	4.00
Germaine Bigot 8.5 (Dessert 1902).....	2.50	1.50
Gigantea 8.2 (Calot).....	1.00	
Ginette 8.8 (Dessert 1915)	6.75	3.75
Gismonda 8.2 (Crousse 1895).....	2.00	1.00
Gloire de Touraine 7.8 (Dessert 1908).....	1.75	1.00
Grandiflora 8.8 (Richardson)	1.25	
Grandiflora N. P. 8.1 (Lemon 1824).....	1.75	1.00
Grover Cleveland 8.2 (Terry).....	2.75	1.25
Harriet Farnsley 8.2 (Brand 1916).....	1.75	1.00
Henry Avery 8.5 (Brand 1907).....	8.00	4.00

Perrette (Dessert 1921)	19.00	9.00
PHILIPPE RIVOIRE 9.2 (Riviere 1911)	25.00	12.00
PHOEBE CAREY 8.8 (Brand 1907)	12.00	5.50
Phyllis Kelway 8.8 (Kelway 1908)	12.50	5.50
Pierre Duchartre 8.2 (Crousse 1895)	1.50	
Primevere 8.6 (Lemoine 1907)	4.50	2.25
Raoul Dessert 9.0 (Dessert 1910)	18.00	7.50
RICHARD CARVEL 8.8 (Brand 1913)	6.00	2.50
Rosa Bonheur 9.0 (Dessert 1905)	6.00	2.75
Rosette 8.9 (Dessert 1918)	9.00	4.75
Ruth Brand 8.1 (Brand 1907)	1.75	1.00
SARAH BERNHARDT 9.0		
(Lemoine 1906)	2.75	1.25
Secretary Fewkes 9.1 (Shaylor)	16.00	7.50
SOLANGE 9.7 (Lemoine 1907)	6.50	3.00
Souv de Louis Bigot 8.8 (Dessert 1913)	7.50	4.00
Splendida 8.3 (Kelway)	3.00	1.75
Standard Bearer 8.8 (Hollis 1906)	20.00	9.00
Suzette 8.0 (Dessert 1911)	3.00	1.75
THERESE 9.8 (Dessert 1904)	5.00	2.25
TOURANGELLE 9.4 (Dessert 1910)	6.25	3.00
Trio de Exp Lille 7.8 (Callot 1865)50	
Venus 8.3 (Kelway 1888)	1.25	
Vict. de la Marne 8.3 (Dessert 1915)	7.00	3.25
WALT. FAXON 9.3 (Richardson 1907)	7.00	3.25
William F. Turner 8.4 (Shaylor 1916)	7.00	3.25



COURONNE D'OR

FROM

CLARENCE W. HUBBARD

GROWER OF



PEONIES & IRISES



6144 LAKEWOOD AVENUE

CHICAGO, U. S. A.

Charles H. F. Petersdorff
1825 N. Capitol St.

Washington

J.C.

Return Postage Guaranteed

